APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/533,772	06/22/2006	David Flattin	0579-1088	8199

466   7590   09/29/2009
YOUNG & THOMPSON
209 Madison Street
Suite 500
ALEXANDRIA, VA 22314

EXAMINER
RONI, SYED A

ART UNIT	PAPER NUMBER
2194	

MAIL DATE	DELIVERY MODE
09/29/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/533,772	FLATTIN ET AL.
	Examiner	Art Unit	
	SYED RONI	2194	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**.　　2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1 - 18</u> is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1 - 18</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>04 May 2005</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☒ All　b)☐ Some * c)☐ None of:

　　　1.☒ Certified copies of the priority documents have been received.

　　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>20050504</u>.

4)☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 – 18 are rejected under 35 U.S.C. 102 (e) as being anticipated by

Lagosanto et al. (US 6,807,561 B2).

Regarding **claim 1**, (original) **Microcircuit card** [i.e., smart card (col. 1, line 22),

(column 2, line 7)] including at least **one data object** [i.e., application programs, e.g.,

applets (col. 1, lines 25 - 26)], [i.e., applications on the device (col. 1, lines 30 - 34)],

characterized in that it includes:

a **register** (20) including a **logical identifier** (myCalculator) **of** said **object** [i.e., list of

methods (column 2, line 32)], [i.e., the functions, or methods, ...are published (col. 1,

lines 40 - 45)] and at least **one first reference** (0060H) **of** said **object local** to said

card [i.e., application protocol data unit (APDU) (col. 1, lines 58 - 60)], [i.e.., transform

APDU messages.....into the appropriate method calls (col. 2, lines 17 - 19) *Note; APUD*

i.e., hexadecimal codes i.e., reference local to the card are being transformed to

appropriate method calls of a program], [i.e., convert the method.....APDU message

(col. 2, lines 14 - 15)]; and **means** (CardManager) adapted, **on reception** of a **first**

message (lookup__APDU) including said **logical identifier** (myCalculator), to

communicate at least **one second local reference** (K(0060H)= 0460H) **obtained** from

said at least **one first local reference** (0060H) [i.e., skeleton program (col. 2, lines 13 -

19)].

      Regarding **claim 2**, (original) Microcircuit card according to Claim 1,

characterized in that it further includes **means** (bind) for **publication of said logical**

identifier (myCalculator) and of said at least **one first local reference** [i.e., published

methods (col. 1, line 50), (col. 1, lines 41 - 46), (col. 2, line 37)] (0060H) in said register

(20) of the card.

      Regarding **claim 3**, (currently amnded) Microcircuit card according to claim 2 ~~1 or~~

~~claim 2,~~ wherein said **data object** is a **Java Card type object** [i.e., Java Card (col. 2,

line 27)] belonging to a **Java Card applet** [i.e., application programs, e.g.,

applets...Java programming language (col. 1, lines 25 - 26)] (CalculatorApplet), the card

being characterized in that said second local reference (0460H) of said data object

conforms to the **Java Card standard** [i.e., Java Card (col. 2, line 27)], [i.e., skeleton 22

(col. 2, lines 16 - 19), (col. 5, lines 57 - 60), (see figure 2)].

      Regarding **claim 4**, (currently amended) Microcircuit card according to ~~claims 2~~

~~and~~ claim 3, characterized in that said **publication** is **performed** at the **initialization** of

said **applet** (CalculatorApplet) [i.e., the card application, which consists of the

implementation...and client programs are developed...through the card service (col. 2,

lines 38 - 42)].

Regarding **claim 5**, (currently amended) Microcircuit card according to claim 3 ~~or~~ ~~claim 4,~~ characterized in that the **communication means** (card manager) [i.e., skeleton program (col. 2, lines 13 - 19)] are adapted to **communicate** an **identifier** (A000000000H) **of** said **applet** [i.e., back into the appropriate method calls (col. 2, lines 13 - 20)] **on reception** of said **first message** (lookup_APDU) [i.e., received APDU messages (col. 2, lines 16 - 19)].

Regarding **claim 6**, (currently amended) Microcircuit card according to claim 1, characterized in that said **data object** is a **computer program** (myCalculator) [i.e., application program (col. 1, line 25)], a variable (date) or a **computer file** (CARD •HOLDER) [i.e., applets (col. 1, line 25)].

Regarding **claim 7**, (currently amended) Microcircuit card according to claim 1, characterized in that, **on reception of** a **second message** (get_bound_objects_APDU) [i.e., calls are then presented (col. 2, lines 16 - 20)], [i.e., upon....client (col. 5, line 62 - 63), (see figure 2)], said **communication** means **communicate all** the **logical identifiers** [i.e., returns a value (col. 5, lines 62 - 63), (see figure 2)] contained **in** said **register** (20) [i.e., invoking these methods (col. 1, lines 41 - 45)].

Regarding **claim 8**, (currently amended) Microcircuit card according to claim 1, characterized in that said **second local reference** (A000000000H) is said **first local reference** (A000000000H) [i.e., skeleton program (col. 2, lines 13 - 19)].

Regarding **claim 9**, (currently amended) Microcircuit card according to claim 1, characterized in that said **second local reference** (0460H) is **temporary** and is

obtained by **encrypting** the **first local reference** (0060H) using an **encryption key**
[i.e., decrypt the message (col. 7, line 32)] (KEY) of the microcircuit card.

Regarding **claim 10**, (original) **Computer** (terminal) **equipment of terminal type**
[i.e., terminal 16 (col. 1, lines 27 - 33), (see figure 2)] including means (CPU, ROM,
RAM) adapted to **implement** a **software application** (DesktopApp) [i.e., client program
18 (col. 1, lines 27 -33), (col. 5, line 47), (see figure 2)] **including** at least **one first
instruction** [i.e., issues a call (col. 5, lines 47 - 48)] for **using** [i.e., employ (col. 1, lines
27 - 33)] at least **one data object** in a **microcircuit card** [i.e., device application 12
(col. 1, lines 25 - 26), (col. 5, lines 48 - 49), (see figure 2)], [i.e., services provided.....on
the device (col. 1, lines 27 - 33)] [i.e., client program that communicates with the
application stored on the device (col. 1, lines 24 - 28)], characterized in that said at least
one first instruction uses a **logical identifier** (myCalculator) of said **object** [i.e.,
method.....device application 12 (col. 5, lines 47 - 49), (see figure 3)] and the computer
equipment includes:

means (CardNaming.lookup) for **obtaining** [i.e., client proxy 20 (col. 2, lines 14 - 16),
(col. 5, lines 50 - 52), (see figure 2)], from said **logical identifier** (myCalculator), at least
one second local reference (K(0060H) = 0460H) [i.e., converts the method.....APDU
message (col. 2, lines 14 - 16), (col. 5, lines 53 - 54), (see figure 2)] obtained **by** the
microcircuit card from a **first reference** (0060H) of said data object **local** to said **card**
[i.e., transmitted to the card (col. 5, line 54)],

means (proxy, invoke) for **translating** [i.e., client proxy 20 (col. 2, lines 14 - 16), (col. 5,
lines 50 - 52), (see figure 2)] said at least **one first instruction into** at least **one**

second instruction [i.e., converts the method.....APDU message (col. 2, lines 14 - 16), (col. 5, lines 53 - 54), (see figure 2)] that can be **executed** on said **card** [i.e., ISO/IEC 7816-4 standard (col. 1, lines 55 - 60)], said at least **one second instruction using** said at least **one second local reference** (0460H) [*Note; method calls of a program are being transformed to appropriate APUD i.e., hexadecimal codes i.e., reference local to the card*], and **communication means** adapted to **communicate** said at least **one second instruction** to said **card** for said **use** [i.e., runtime engine 14 (col. 5, lines 54 - 57), (see figure 3)].

Regarding **claim 11**, (original) Computer equipment according to claim 10, wherein said **data object** is a **Java Card type object** [i.e., Java Card (col. 2, line 27)] belonging to a **Java Card applet** (CalculatorApplet) of the **microcircuit card** [i.e., application programs, e.g., applets...Java programming language (col. 1, lines 25 - 26)], which computer equipment is characterized in that the **obtaining means** (CardNaming.lookup) are adapted to **obtain** a **second reference** (0460H) **conforming** to the **Java Card standard** obtained by said card from a **first reference** (0060H) of said **data object** [i.e., Java Card (col. 2, line 27)], [i.e., skeleton 22 (col. 2, lines 16 - 19), (col. 5, lines 57 - 60), (see figure 2)].

Regarding **claim 12**, (original) Computer equipment according to claim 10, characterized in that the obtaining means (CardNamingAPI lookup) are adapted to obtain an **identifier** (A000000000H) **of** said **applet** (CalculatorApplet) [i.e., application programs, e.g., applets (col. 1, lines 25 - 26)], [i.e., applications on the device (col. 1, lines 30 - 34)].

Regarding **claim 13,** (currently amended) Computer equipment according to

claim 10, characterized in that said **data object** is a **computer program** (myCalculator)

[i.e., application program (col. 1, line 25)], a variable (date) or a **computer file** (CARD

HOLDER) [i.e., applets (col. 1, line 25)].

Regarding **claim 14,** (currently amended) Computer equipment according to

claim 10, characterized in that it further includes **means** (BindingService) for

publication, **in** a **register** (standard RMI Registry) of said **computer system terminal**

[i.e., terminal 16 (col. 1, lines 27 - 33), (see figure 2)], [i.e., published methods (col. 1,

line 50), (col. 1, lines 41 - 46), (col. 2, line 37)], a **buffer object** (remoteCalculator)

including an **interface identical** to that of the **data object of the card** [i.e., application

programs, e.g., applets (col. 1, lines 25 - 26)], [i.e., applications on the device (col. 1,

lines 30 - 34)], that **buffer object** being adapted to **translate** (invokeMethod) an

instruction executing on a **third-party system** and **using** said **logical identifier** into

at least **one second instruction** that can be **executed** on said **card** [i.e., converts the

method…..APDU message (col. 2, lines 14 - 16), (col. 5, lines 53 - 54), (see figure 2)]

and uses said second local reference (0460H).

Regarding **claim 15,** (original) Computer equipment according to claim 14,

characterized in that the **publication means** (BindingService) are adapted to **obtain**

and to **publish** in the register (standard RMI Registry) of said computer system

terminal [i.e., terminal 16 (col. 1, lines 27 - 33), (see figure 2)] all the **buffer objects of**

the data objects published by said **card** [i.e., published methods (col. 1, line 50), (col.

1, lines 41 - 46), (col. 2, line 37)].

Regarding **claim 16,** (currently amended) Computer equipment according to claim 14, characterized in that said **data object** is a **Java Card type object** [i.e., Java Card (col. 2, line 27)] and said register (Java2 SE RMI Registry) **conforms** to the "**Java standard RMI registry" standard** [i.e., remote method invocation (RMI) (col. 1, line 40)].

Regarding **claim 17,** (new) Computer equipment according to claim 15, characterized in that said **data object** is a **Java Card type object** [i.e., Java Card (col. 2, line 27)] and said register (Java2 SE RMI Registry) **conforms** to the "**Java standard RMI registry" standard** [i.e., remote method invocation (RMI) (col. 1, line 40)].

Regarding **claim 18,** (new) Microcircuit card according to claim 1, wherein said **data object** is a **Java Card type object** [i.e., Java Card (col. 2, line 27)] belonging to a **Java Card applet** (CalculatorApplet) [i.e., application programs, e.g., applets...Java programming language (col. 1, lines 25 - 26)], the **card** being characterized in that said **second local reference** (0460H) of said data object **conforms** to the **Java Card standard** [i.e., Java Card (col. 2, line 27)].

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SYED RONI whose telephone number is (571)270-7806. The examiner can normally be reached on M - F (8:30 am - 5:00 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hyung Sub Sough (Sam) can be reached on (571) 272 - 6799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SYED RONI/　　　　　　　　　　/Hyung S. Sough/
Examiner, Art Unit 2194　　　　　　Supervisory Patent Examiner, Art Unit 2194
　　　　　　　　　　　　　　　　　09/28/09